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Sheet

of

Complete if Known	
Application Number	10/198033
Filing Date	3/11/04
First Named Inventor	Lowry, James L.
Art Unit	3411
Examiner Name	
Attorney Docket Number	2004-09

U. S. PATENT DOCUMENTS				
Examiner Initials ¹	Cite No. ²	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ³ (If known)		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GJF	US 2,018,984	11/15/1933	macklenbergh	10/1935
GJF	US 2,800,816	11/27/1957	morgan	09/1951
GJF	US 4,010,778	1/31/1978	Mahler et al.	
GJF	US 4,308,903	1/18/1983	Jones	
GJF	US 4,807,807	2/28/1989	Glick	
GJF	US 5,085,470	2/4/1992	Pearce et al.	
GA	US 5,181,743	1/26/1993	Lloyd	
GJF	US 5,840,017	8/23/1994	Tighe	
GJF	US 10,331,631	1/8/2002	Volker	
	US			

FOREIGN PATENT DOCUMENTS				
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Examiner Signature	Gary Hope	Date Considered	3/03/08
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